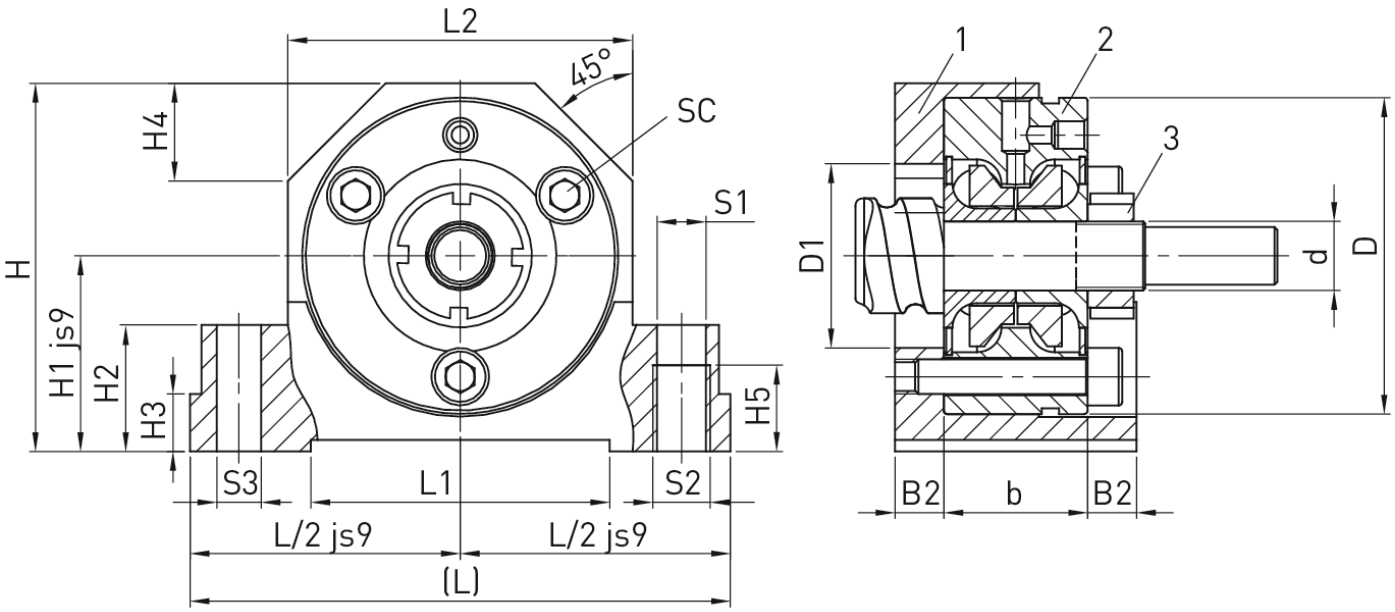
Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 40 mm - BK/SFA

SFA40

SFA40 | Fixed bearing pillow block

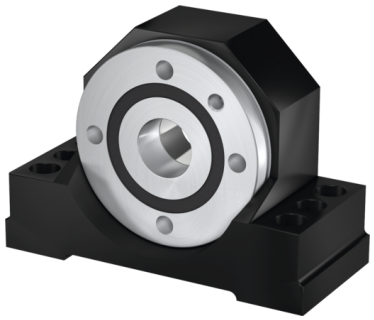


Component identification

No.	Component	Qty
1	Steel pillow-block housing	1
2	Bearing unit	1
3	Lock nut HIR 40	1

Configuration

Support position	**Fixed-end / locating**
Bearing bore d	**40 mm**
Bearing unit	**ZKLF40100.2RS-PE**
Housing material	**Steel**
Lock nut	**HIR 40**
Precision grade	**Not specified**



Axial load ratings

Bearing dynamic axial Cdyn

47.5 kN

Bearing static axial C0

101 kN

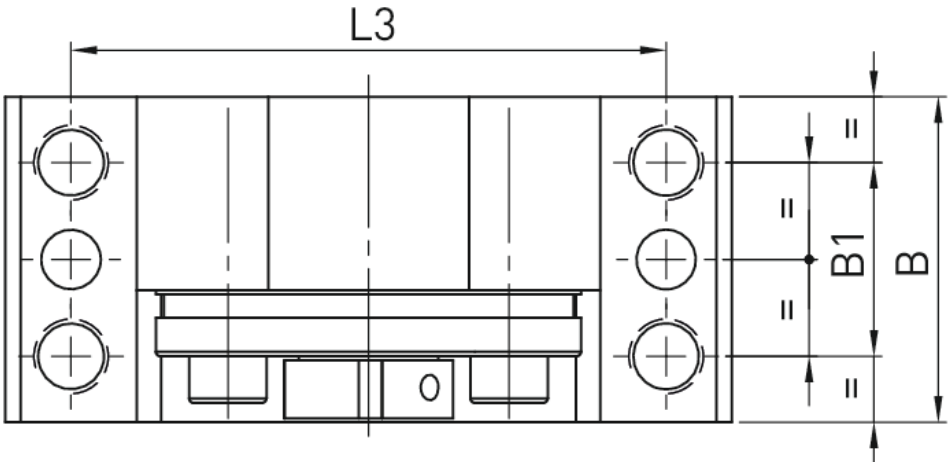
Bearing ratings shown here are not ratings of the complete support unit.

Datasheet

AXISCRAFT - Fixed bearing for ballscrew, bore d = 40 mm - BK/SFA

SFA40

Dimensions and mounting details



Dimensional specification

Dimension	Value
L - overall length	146 mm
L/2	73 mm
L1	82 mm
L2	104 mm
L3	125 mm
H - overall height	112 mm
H1 - axis height	60 mm
H2	32 mm
H3	13 mm
H4	30 mm
H5	21 mm

Dimension	Value
d - bearing bore	40 mm
D - bearing outer dia.	100 mm
b	34 mm
B	59 mm
B1	34 mm
B2	12.6 mm
S1	12.6 mm
S2	M14
S3	9.7 mm
SC - mounting screws	4 x M8 x 50

Component details

Bearing and lock nut

Lock nut type	HIR 40
Lock nut tightening torque	55 N·m
Lock nut screw size	M6
Screw tightening torque	5 N·m
Bearing permissible speed	1,800 rpm

Technical notes

All dimensions in millimetres. Drawings are not to scale.

Bearing load ratings and speed do not specify the complete support unit.

Selection guide: ballscrew diameter 50 mm; bearing bore d = 40 mm.